

Abstract of the Disclosure

A solar concentrated module with a bidimensional parabolic profile geometry, comprises one or more rigid self-supporting panels having a parabolic cross section and a rectilinear longitudinal extension. The said panels comprise a central sandwich structure including a central honeycomb core and two thin outer skins of a high resistance material, forming a lightweight and particularly rigid construction. The panels adapted to support thin reflecting surfaces, the geometry of which is such as to concentrate incident sunlight rays along a longitudinal receiving tube, within which a fluid to be headed flows. An automated driver may be provided for moving the panels to follow the movement of the sun during the day.